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DJI EB3WBC

DJI Air 3 Fly More Combo with DJI RC 2 User Manual

Comprehensive guide for setup, operation, and maintenance of your DJI Air 3 drone.

Product Overview

The DJI Air 3 is an advanced aerial photography and videography drone featuring dual primary cameras, extended flight time, and omnidirectional obstacle sensing. It offers a compact, foldable design, making it suitable for various creative applications.

This Fly More Combo includes the DJI Air 3 drone, the DJI RC 2 remote controller with a bright touchscreen, three Intelligent Flight Batteries, a Battery Charging Hub, and other essential accessories for an enhanced flying experience.



Image: Overview of the DJI Air 3 Fly More Combo, showing the drone, DJI RC 2 remote controller, two Intelligent Flight Batteries, and the Battery Charging Hub.

Key Features

- **Dual Primary Cameras:** Equipped with a wide-angle camera (24mm equivalent, f/1.7) and a 3x medium tele camera (70mm equivalent, f/2.8) for versatile focal length options.
- **46-Minute Max Flight Time:** Provides extended operational periods for comprehensive aerial capture.
- **Omnidirectional Obstacle Sensing:** Enhances flight safety by detecting obstacles in all directions, allowing for confident navigation.
- **O4 HD Video Transmission:** Offers a stable 1080p/60fps live feed with a maximum transmission range of 20 km.
- **48MP Photos:** Captures high-resolution images suitable for cropping and detailed analysis.
- **4K/60fps HDR Video:** Supports dual native ISO for rich detail in both bright and dark areas.
- **2.7K Vertical Shooting:** Optimized for social media platforms, allowing for high-quality vertical content.



Image: Detailed view of the DJI Air 3's dual camera system, highlighting the 3x Medium Tele Camera and Wide-Angle Camera with their respective focal lengths and apertures.



46-minute max flight time[4]

Air 3 offers up to 46 minutes of flight time, allowing creators to explore and capture more with every flight.

Image: A person holding a DJI Air 3 Intelligent Flight Battery, illustrating the drone's impressive 46-minute maximum flight time.



More safety in the sky

With advanced omnidirectional obstacle detection[2] and smooth bypassing with APAS 5.0,[3] even complete beginners can fly with confidence.

Image: The DJI Air 3 drone in flight, with visual indicators showing its omnidirectional obstacle sensing capabilities for safer flights.

What's in the Box

- DJI Air 3 x1
- Gimbal Protector
- Spare DJI Air 3 Low-Noise Propellers (pair) x4
- Remote Control (DJI RC 2)
- DJI Air 3 Battery Charging Hub x1
- Intelligent Flight Batteries x3



Image: A visual representation of all items included in the DJI Air 3 Fly More Combo, such as the drone, remote controller, batteries, and accessories.

Setup

1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect the drone, remote controller, and accessories for any signs of damage. Ensure all listed items are present.

2. Battery Charging

Insert the Intelligent Flight Batteries into the Battery Charging Hub. Connect the charging hub to a power source using a compatible USB-C cable and power adapter (sold separately). Ensure all batteries are fully charged before first use. The charging hub supports a power accumulation function to transfer remaining power from lower-power batteries to the highest-power battery.



Image: A diagram illustrating the power accumulation function of the DJI Air 3 Battery Charging Hub, showing how power can be consolidated into one battery.

3. Propeller Installation

Attach the low-noise propellers to the motor arms. Match the propellers with the corresponding motor bases (indicated by color or markings). Ensure they are securely fastened.

4. Gimbal Protector Removal

Before powering on the drone, carefully remove the gimbal protector. This protects the camera and gimbal during transport.

5. Activating the Drone

Download and install the latest version of the DJI Fly app from the DJI official website (note: app removed from Google Play). Power on the drone and remote controller. Follow the on-screen instructions in the DJI Fly app to activate the drone and link it to the remote controller.

Operating

1. Pre-Flight Checklist

- Ensure batteries are fully charged for both drone and remote controller.
- Check propellers for any damage and ensure they are securely attached.
- Verify the gimbal protector is removed.
- Ensure you are in an open area, free from obstacles, and comply with local aviation laws and regulations.
- Check GPS signal strength on the remote controller.

2. Takeoff and Landing

Place the drone on a flat, stable surface. In the DJI Fly app, tap the auto-takeoff button or use the combination stick command (CSC) to initiate takeoff. For landing, tap the auto-landing button or slowly pull down the left stick (Mode 2) until the drone lands.

3. Flight Modes

The DJI Air 3 offers various flight modes, including Normal, Sport, and Cine. Select the appropriate mode based on your flying environment and desired shot. Normal mode provides balanced flight performance, Sport mode offers maximum speed and agility, and Cine mode provides slower, smoother movements for cinematic shots.

4. Camera Operation

Use the DJI Fly app to control camera settings, switch between wide-angle and telephoto lenses, and initiate photo or video recording. The drone supports 48MP photos and 4K/60fps HDR video. Experiment with 2.7K vertical shooting for social media content.

5. Obstacle Avoidance

The omnidirectional obstacle sensing system helps prevent collisions. Ensure the obstacle avoidance action is set to 'Bypass' in the app for optimal safety. Always remain vigilant and maintain visual line of sight with the drone.

6. Intelligent Flight Modes

Explore intelligent flight modes like ActiveTrack 5.0, QuickShots (Dronie, Helix, Rocket, Boomerang, Asteroid), and Waypoint Flight for automated and creative flight paths. ActiveTrack 5.0 provides enhanced subject-tracking capabilities.

Maintenance

1. Battery Care

- Store batteries in a cool, dry place away from direct sunlight.
- Do not overcharge or over-discharge batteries.
- Avoid connecting external devices or inserting/removing batteries when using the power accumulation function.

2. Propeller Inspection

Regularly inspect propellers for cracks, bends, or other damage. Replace damaged propellers immediately using spare parts provided in the combo or purchased separately.

3. Gimbal and Camera Lens Cleaning

Gently clean the gimbal and camera lenses with a soft, lint-free cloth. Avoid using harsh chemicals that could damage the optics.

4. Firmware Updates

Periodically check for and install firmware updates via the DJI Fly app. Updates often include performance improvements, new features (e.g., Vision Assist), and bug fixes.

Troubleshooting

1. Drone Not Powering On

Ensure the Intelligent Flight Battery is fully charged and correctly inserted into the drone. Press the power button once, then press and hold for two seconds to power on.

2. Loss of Signal

If the video transmission signal is lost, the drone will typically initiate Return-to-Home (RTH). Ensure the remote controller's antennas are properly oriented towards the drone and that there are no major obstructions between the remote controller and the drone. The O4 transmission system is designed for stable long-range communication.

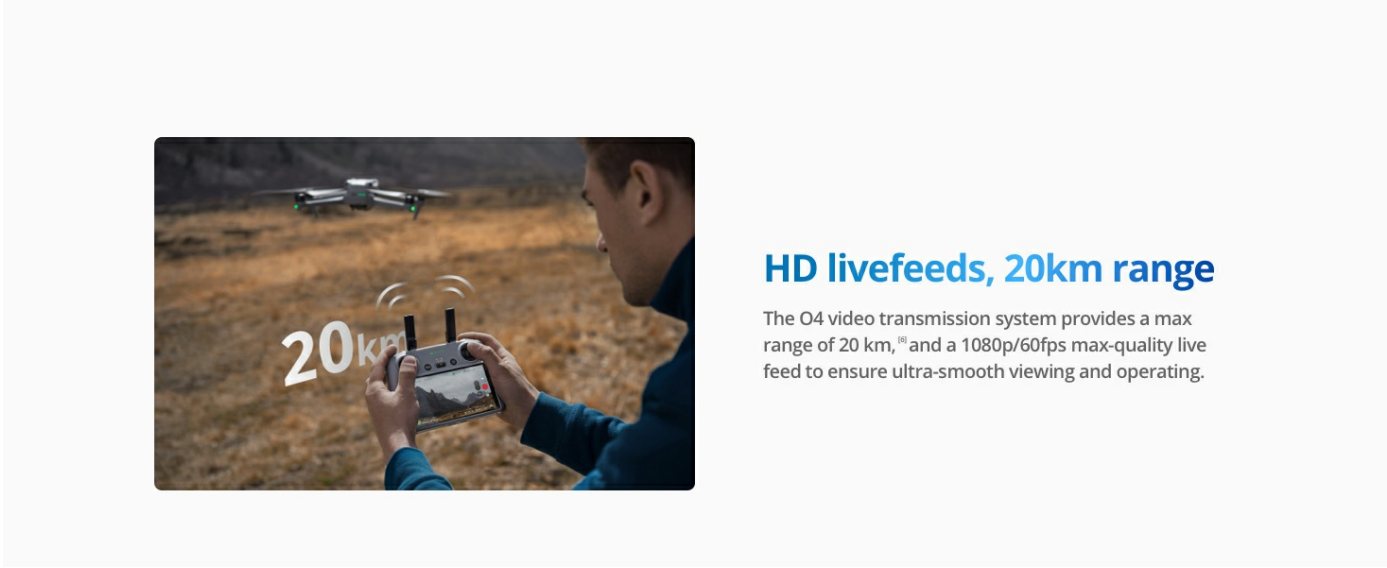


Image: A person operating the DJI RC 2 remote controller, with an overlay indicating the 20km maximum video transmission range of the O4 system.

3. Obstacle Avoidance Warnings

If the drone frequently triggers obstacle avoidance warnings, check your flight environment for potential hazards. Adjust the obstacle avoidance settings in the DJI Fly app if necessary, or switch to a more open area.

4. App Compatibility Issues

If you experience issues with the DJI Fly app, ensure you have downloaded the latest version directly from the DJI official website, as it has been removed from Google Play.

Specifications

Attribute	Value
Brand	DJI
Model Name	EB3WBC
Item Weight	720 Grams (1.59 pounds)
Product Dimensions	10.18"L x 12.83"W x 4.16"H
Video Capture Resolution	4K
Effective Still Resolution	48 MP
Maximum Range	20 Kilometers
Battery Cell Composition	Lithium Ion
Date First Available	July 25, 2023

Warranty & Support

For detailed warranty information and technical support, please refer to the official DJI website or the user manual PDF provided with your product. You can find additional support documents, including a Certificate of Compliance, Safety Information, and a Troubleshooting Guide, on the product's Amazon page under 'Product guides and documents'.
Official User Manual (PDF): Download Here

Official Product Video

Your browser does not support the video tag.

Video: An introductory video showcasing the DJI Air 3 drone's features and capabilities, provided by DJI Service LLC.

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